MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Metl-Span, A Division of NCI Group, Inc.
1720 Lakepointe Drive, Suite 101
Lewisville, TX 75057

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: CFR-30, 36, & 42 Polyurethane Foam w/Galvanized Steel Facings Structural Roof Panel

APPROVAL DOCUMENT: Drawing No. C1425, titled " CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated August 22, 2005, last revision #B dated February 01, 2013, signed & sealed by Bala Sockalingam, P.E. on February 04, 2013, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, Lewisville, TX; Prince George, VA; North Las Vegas, NA; Shelbyville, IN; Jackson, MS; or Mattoon, ILL and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 13-0327.01** and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.
The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

MIAMI-DADE COUNTY APPROVED

Helmy A. Makar
03/05/2015

NOA No. 15-0122.01
Expiration Date: 04/22/2016
Approval Date: 03/05/2015

Metl-Span, A Division of NCI Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0707.03

A. DRAWINGS

1. *Drawing No. 1234, titled " CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated June 6, 2003, signed & sealed by Warren W. Schaefer, P.E. on April 21, 2004.*

B. TESTS

1. *Test report on wind and wind driven rain resistance test per TAS 100-95 on Metl-Span CFR 30 Roof Panel System by PRI Asphalt Technologies, Report No. MSGI-001-02-01, dated April 11, 2003, signed and sealed by Charles L. Thomas, P.E.*
2. *Test report on Uniform Static Air Pressure Test per ASTM 1592-95 on Metl-Span CFR 42 Roof Panel System, prepared by Hurricane Test Laboratory, Inc., Report No. 0308-0401-03, dated May 21, 2003, signed and sealed by Vinu J. Abreham, P.E.*
3. *Test report on Uniform Static Air Pressure Test per ASTM 1592-95 on Metl-Span CFR 36 Roof Panel System, prepared by Hurricane Test Laboratory, Inc., Report No. 0308-0401-03, dated May 21, 2003, signed and sealed by Vinu J. Abreham, P.E.*
4. *Test report on Uniform Static Air Pressure Test per ASTM 1592-95 on Metl-Span CFR 30 Roof Panel System, prepared by Hurricane Test Laboratory, Inc., Report No. 0308-0401-03, dated May 21, 2003, signed and sealed by Vinu J. Abreham, P.E.*
5. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G23-81, prepared by The Valspar Corporatio.*
6. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by The Valspar Corporatio.*
7. *Susceptibility to leakage test in accordance with Protocol TAS 114 Appendix G, prepared by PRI Asphalt Technologies, Report No. MSGI-002-02-01, dated April 11, 2003, signed and sealed by Charles L. Thomas, P.E.*

C. CALCULATIONS

1. *Calculations titled " Metal-Span CFR 30, 36, & 42 Roof Panel Calculations " , 13 pages, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on July 24, 2003.*

2. *Calculations titled " Metal-Span CFR 30, 36, & 42 Roof Panel Calculations " , 8 pages, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on March 24, 2004*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 15-0122.01
Expiration Date: 04/22/2016
Approval Date: 03/05/2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Tensile test, report # 3DM-366, dated May 21, 2003, by QC Metallurgical, Inc., signed and sealed by Frank E. Grate, Jr., P.E.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0830.04

A. DRAWINGS

1. Drawing No. C1425, titled " CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated August 22, 2005, signed & sealed by Bala Sockalingam, P.E. on August 23, 2005.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculations titled " Metal-Span CFR 30, 36, & 42 Roof Panel Calculations ", 13 pages, prepared by Bala Sockalingam, P.E., Structural Engineer, signed and sealed by Bala Sockalingam, P.E. on August 24, 2005.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0310.10

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 15-0122.01
Expiration Date: 04/22/2016
Approval Date: 03/05/2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 13-0327.01

A. DRAWINGS

1. Drawing No. C1425, titled " CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated August 22, 2005, last revision #B dated February 01, 2013, signed & sealed by Bala Sockalingam, P.E. on February 04, 2013.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

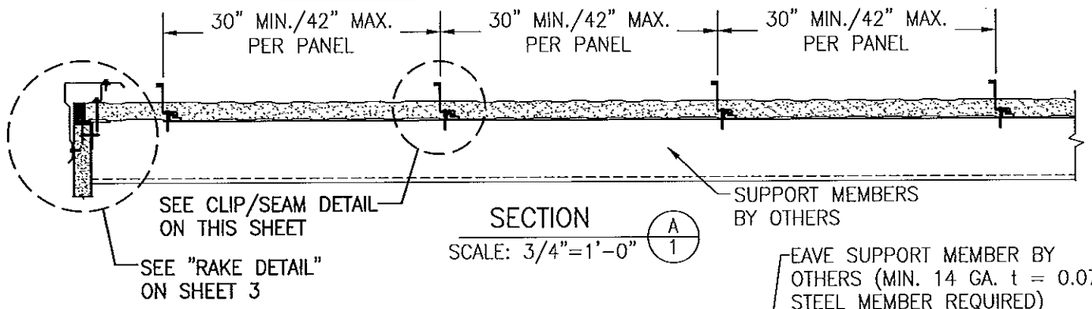
D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

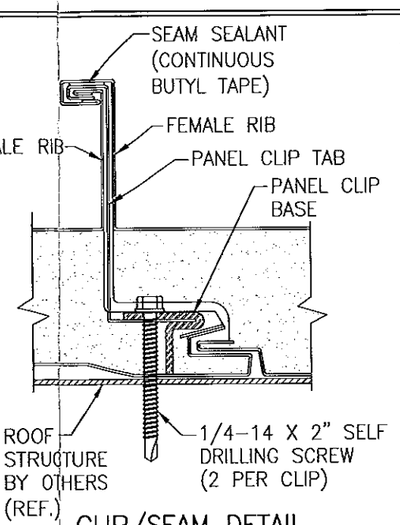
E. MATERIAL CERTIFICATIONS

1. None.

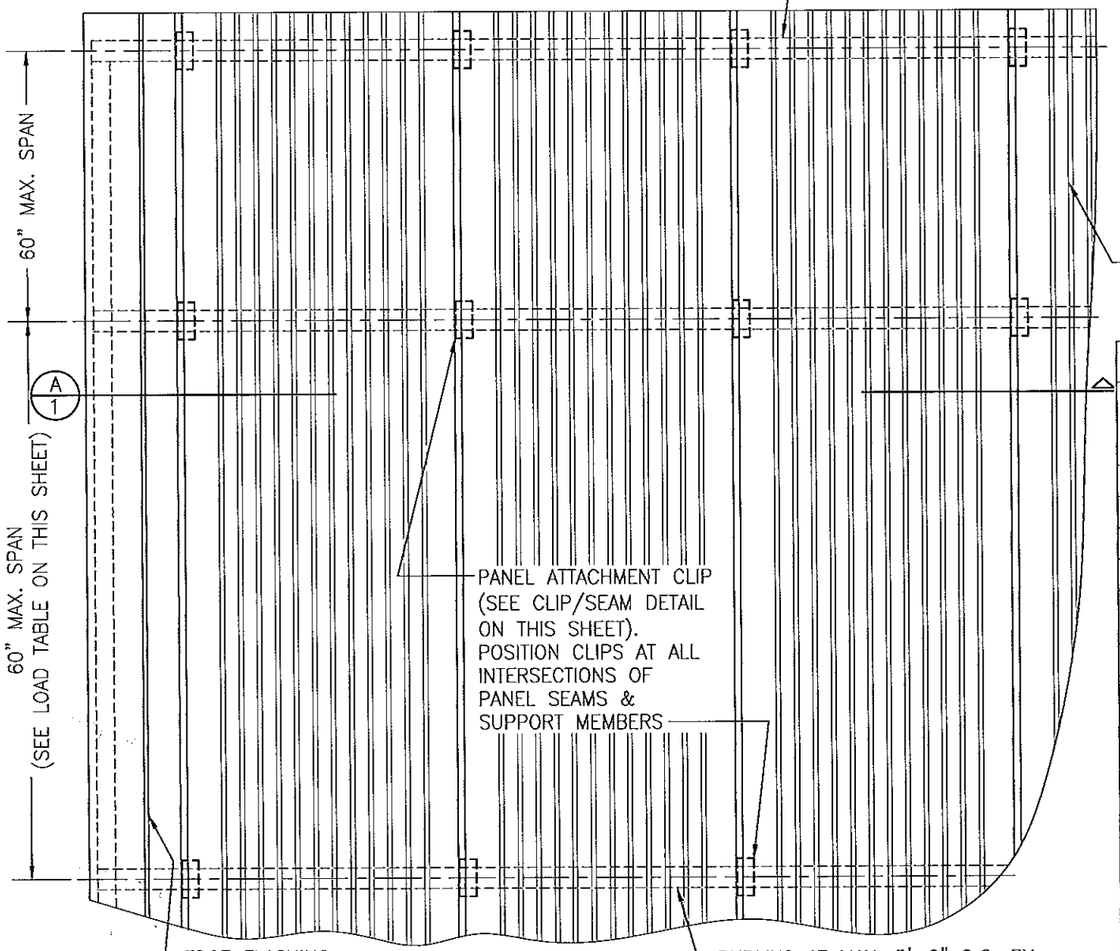
Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 15-0122.01
Expiration Date: 04/22/2016
Approval Date: 03/05/2015



SECTION (A/1)
SCALE: 3/4"=1'-0"



CLIP/SEAM DETAIL
SCALE: 6"=1'-0"



TYPICAL ROOF PLAN
SCALE: 3/4"=1'-0"

PRODUCT APPROVAL IS LIMITED TO THE ROOF PANEL & ITS CONNECTING CLIPS. THE STRUCTURAL ADEQUACY OF ALL OTHER STRUCTURAL ITEMS (BEAMS, COLUMNS, PURLINS, FACIA SUPPORTS, CONNECTIONS OF STRUCTURE, ETC. SHALL BE VERIFIED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. THE METAL ROOF PANELS SHALL NOT BE DESIGNED TO ACT AS A DIAPHRAGM.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 15-0122.01
Expiration Date 04/22/2016
By Miami Dade Product Control

GENERAL NOTES:

1. THIS STRUCTURAL ROOF PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH 2010 FLORIDA BUILDING CODE (FBC). THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-10 MUST BE MULTIPLIED BY 0.6.
2. ALL ROOF PANELS ARE MAX. 42" WIDE, CONSIST OF ONE 26 GA. (t = 0.019") G-90 INTERIOR STEEL SKIN (Fy = 50 KSI) WITH AN EMBOSSED AND PAINTED FINISH BENEATH FACTORY FOAMED IN PLACE POLYURETHANE CORE (2.0 pcf). ABOVE THE FOAM CORE IS A 24 GA. (t = 0.026") G-90 EXTERIOR STEEL SKIN (Fy = 50 KSI) WITH AN EMBOSSED AND PAINTED FINISH.
3. THE ROOF PANELS SHALL BE INSTALLED OVER ROOF STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
4. PANEL END OVERLAPS MUST OCCUR AT CENTERLINE OF SUPPORTING PURLINS PROVIDING THE END LAPS ARE CONSTRUCTED, SUPPORTED & SEALED PER THE END LAP DETAIL ON SHEET 3.
5. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS SPECIFIED ON THIS DRAWING.
6. THIS ROOFING PANEL SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE:
   * ACCELERATED TESTING OF COATING PER ASTM G23
   * SALT SPRAY TESTING PER ASTM B117
   * UPLIFT RESISTANCE TEST PER TAS-125 & ASTM E1592
   * WIND DRIVEN RAIN & STANDING WATER TESTS PER TAS-100 & TAS-114
   * LARGE MISSILE IMPACT TEST PER TAS-201
   * TENSILE TESTS PER ASTM E8
7. ROOF PANEL MANUFACTURER'S PERMANENT LABEL SHALL BE PLACED AT THE END OF EACH PANEL RUN AND SHALL READ: METL-SPAN, A DIVISION OF NCI GROUP, INC. LEWISVILLE, TEXAS MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
8. ALL SCREWS SHALL BE CORROSION RESISTANT SELF DRILLING SCREWS.
9. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 14 GAGE (MIN. 0.075") STEEL WITH MIN. Fy = 50 KSI.
10. THESE ROOF PANELS SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAM ACTION OF ROOF TO SUPPORTING STRUCTURE.
11. MINIMUM ALLOWABLE ROOF SLOPE SHALL BE 1/4" PER 12".

PURLIN SPACING & LOAD TABLE

PANEL SUPPORT CONDITION	L=18"	L=24"	L=30"	L=36"	L=42"	L=48"	L=54"	L=60"
	MAXIMUM ALLOWABLE UPLIFT PRESSURE (PSF) FOR PANEL WIDTH = 30"							
△ L △	200.0	200.0	141.3	98.1	72.1	55.2	40.2	29.3
△ L △ L △	161.3	121.0	96.8	80.7	69.1	60.5	53.8	44.2
△ L △ L △ L △	183.3	137.5	110.0	91.7	78.6	68.8	61.1	55.0
△ L △ L △ L △ L △	176.4	132.3	105.8	88.2	75.6	66.1	58.8	51.6
	MAXIMUM ALLOWABLE UPLIFT PRESSURE (PSF) FOR PANEL WIDTH = 36"							
△ L △	200.0	200.0	128.0	88.9	65.3	50.0	36.4	26.6
△ L △ L △	146.7	110.0	88.0	73.3	62.9	55.0	48.9	40.0
△ L △ L △ L △	166.7	125.0	100.0	83.3	71.4	62.5	55.6	50.0
△ L △ L △ L △ L △	160.3	120.3	96.2	80.2	68.7	60.1	53.4	46.7
	MAXIMUM ALLOWABLE UPLIFT PRESSURE (PSF) FOR PANEL WIDTH = 42"							
△ L △	200.0	170.1	108.8	75.6	55.5	42.5	31.0	22.6
△ L △ L △	124.7	93.5	74.8	62.3	53.4	46.8	41.6	34.0
△ L △ L △ L △	141.7	106.3	85.0	70.8	60.7	53.1	47.2	42.5
△ L △ L △ L △ L △	136.3	102.2	81.8	68.1	58.4	51.1	45.4	39.7
	MAXIMUM ALLOWABLE POSITIVE PRESSURE (PSF) FOR PANEL WIDTH = 30", 36" & 42"							
△ L △	200.0	200.0	128.1	89.0	65.4	50.1	36.5	26.6
△ L △ L △	146.7	110.0	88.0	73.3	62.9	55.0	48.9	40.0
△ L △ L △ L △	166.7	125.0	100.0	83.3	71.4	62.5	55.6	50.0
△ L △ L △ L △ L △	160.3	120.3	96.2	80.2	68.7	60.1	53.4	46.8

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0327.01
Expiration Date 04/22/2015
By Miami Dade Product Control

SEE SHEET 2 FOR VALLEY DETAILS

NO.	REVISION DESCRIPTION	BY	DATE
A	REVISED NOTES 1 & 2	B.S.	4.6.06
B	COMPANY NAME	B.S.	2.1.13
B	NOTES 1 & 7	B.S.	2.1.13

DRAWN BY: B.S | CHECKED BY: R.H.
PLOT: 1=16 | DATE: 8/22/05

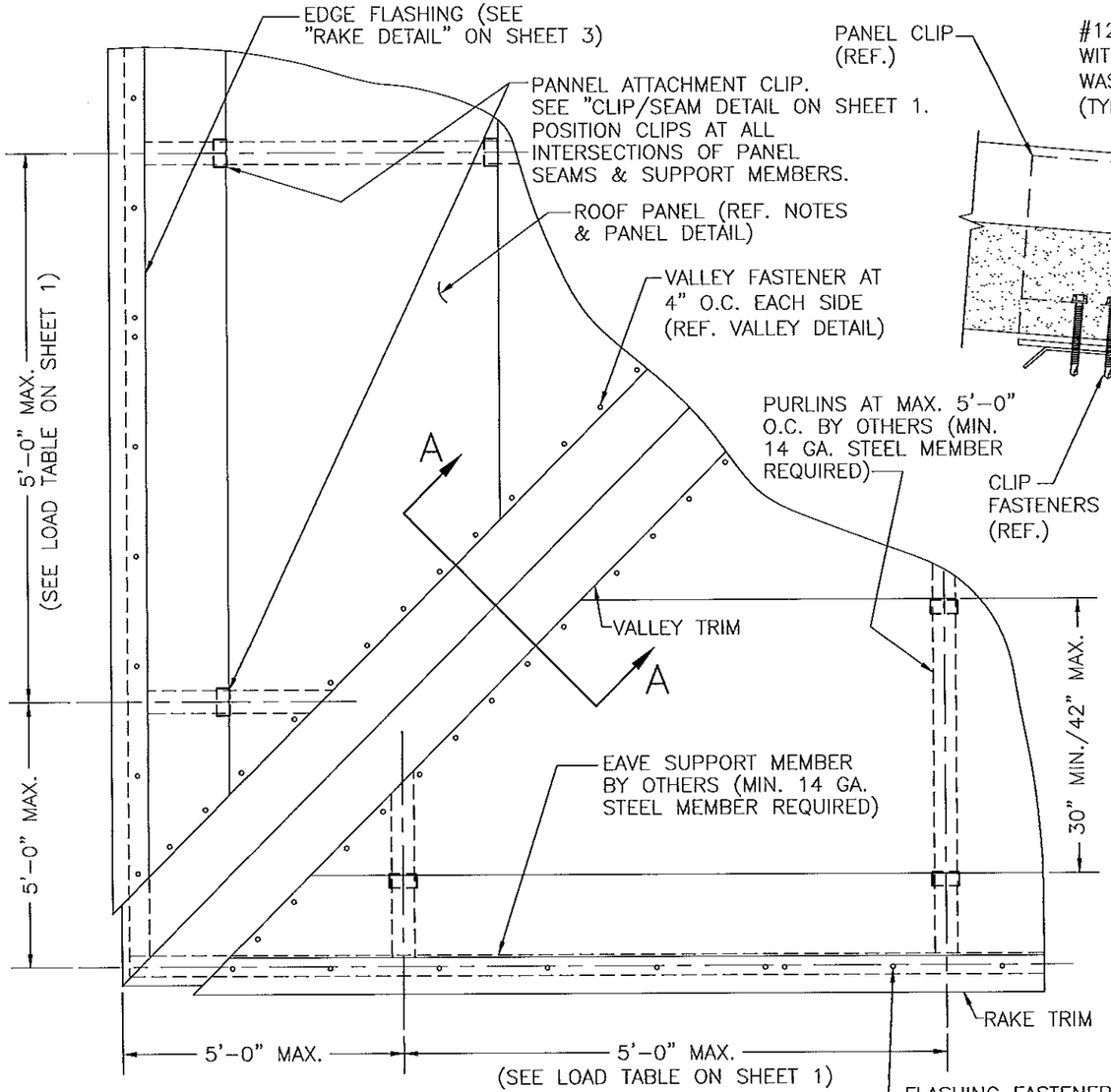
DRAWING TITLE: CFR-30, 36 & 42 ROOF PANEL SYSTEM

MANUFACTURER: METL-SPAN, A DIVISION OF NCI GROUP, INC.
1720 LAKEPOINTE DRIVE, SUITE 101
LEWISVILLE, TX 75057
972-221-6656

CONSULTANTS: BALA SOCKALINGAM, PH.D., P.E.
1216 N LANSING AVE, SUITE C
TULSA, OK 74106
PHONE: 918-492-5992 FAX: 866-366-1543

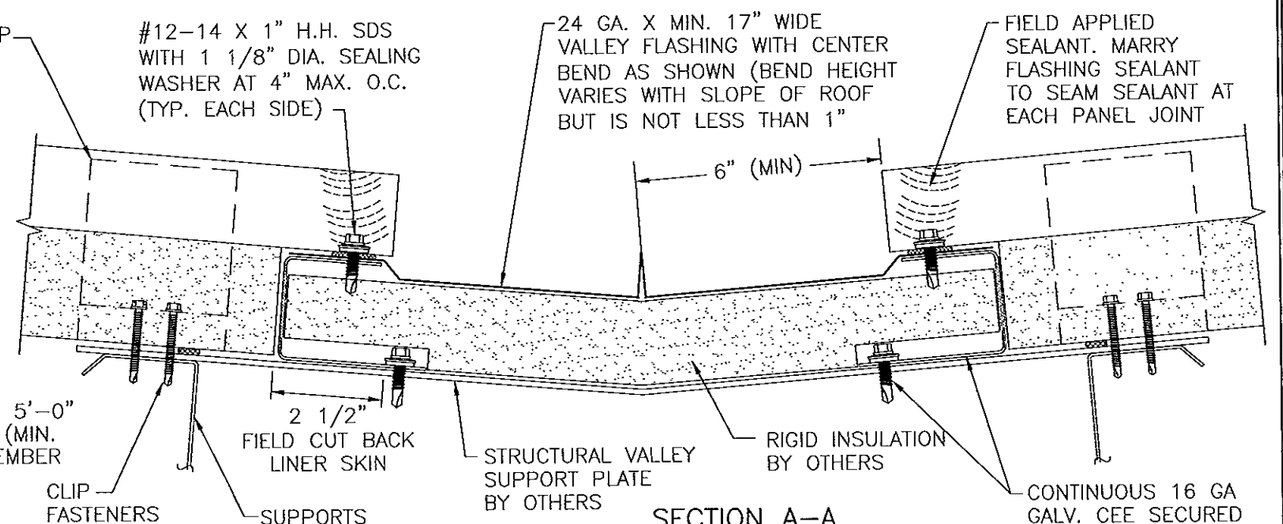
BALA SOCKALINGAM LICENSE No 62240 STATE OF FLORIDA PROFESSIONAL ENGINEER
CERTIFICATION: BALA SOCKALINGAM, P.E. No. 62240

DRAWING NO. C1425 | REV. B
SHEET NO. 1 OF 3



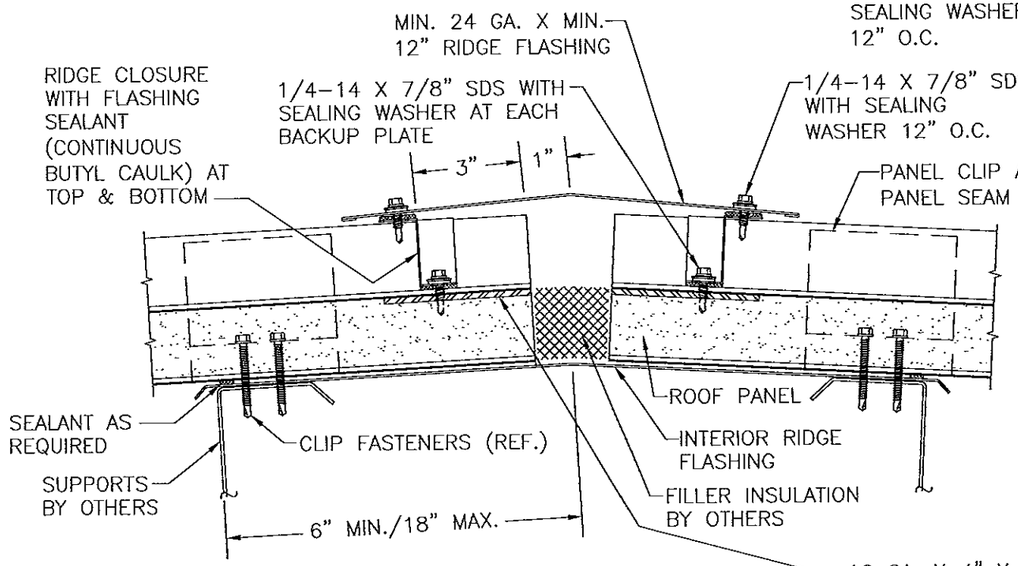
TYP. VALLEY PLAN VIEW

SCALE: 3/4"=1'-0"



SECTION A-A VALLEY DETAIL

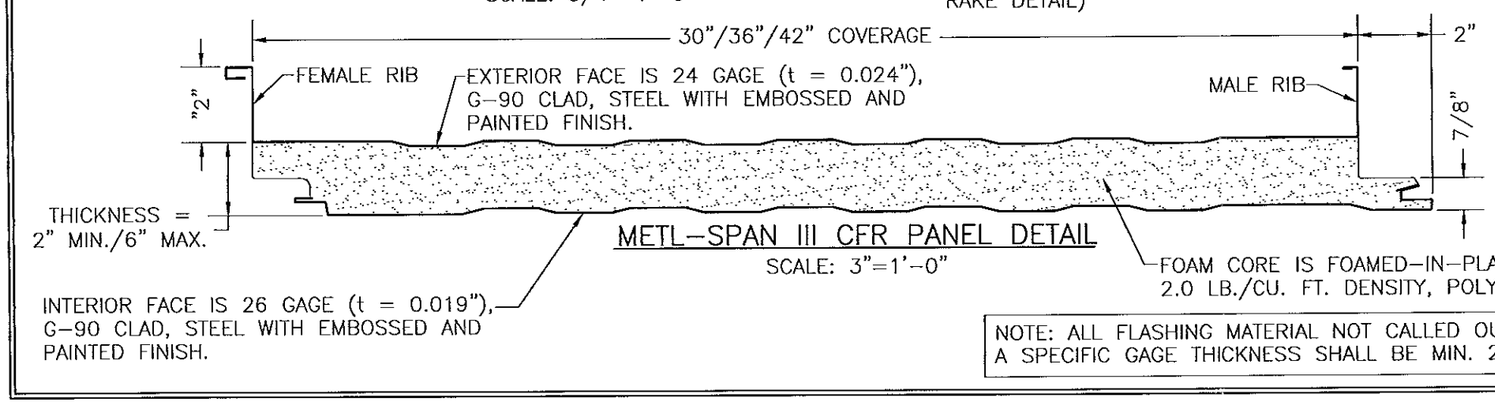
NOT TO SCALE



HIP & RIDGE DETAIL

SCALE: 3"=1'-0"

RIGHT SIDE MIRRORS THE LEFT



METL-SPAN III CFR PANEL DETAIL

SCALE: 3"=1'-0"

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 15-0122.01
Expiration Date 04/22/2016
By Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 13-0327.01
Expiration Date 04/22/2015
By Miami Dade Product Control

NOTE: ALL FLASHING MATERIAL NOT CALLED OUT WITH A SPECIFIC GAGE THICKNESS SHALL BE MIN. 24 GAGE.

NO.	REVISION DESCRIPTION	BY	DATE
A	COMPANY NAME	B.S.	2.1.13

DRAWN BY: B.S | CHECKED BY: R.H.
PLOT: 1=16 | DATE: 8/22/05

METL-SPAN, A DIVISION OF NCI GROUP, INC.
1720 LAKEPOINTE DRIVE, SUITE 101
LEWISVILLE, TX 75057
972-221-6656

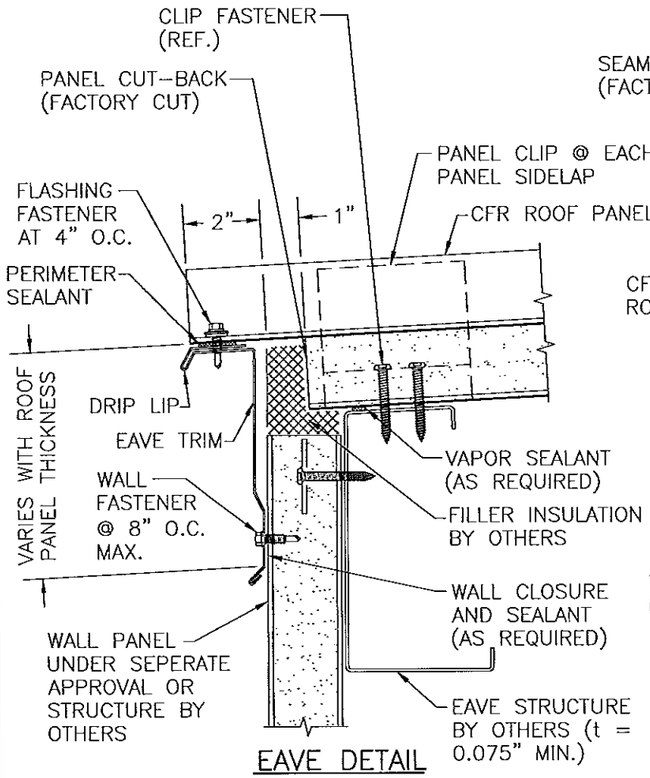
MANUFACTURER

SOCKALINGAM, PH.D., P.E.
CONSULTANTS
1216 N LANSING AVE, SUITE C
TULSA, OK 74106
PHONE: 918-492-5992 FAX: 866-366-1543

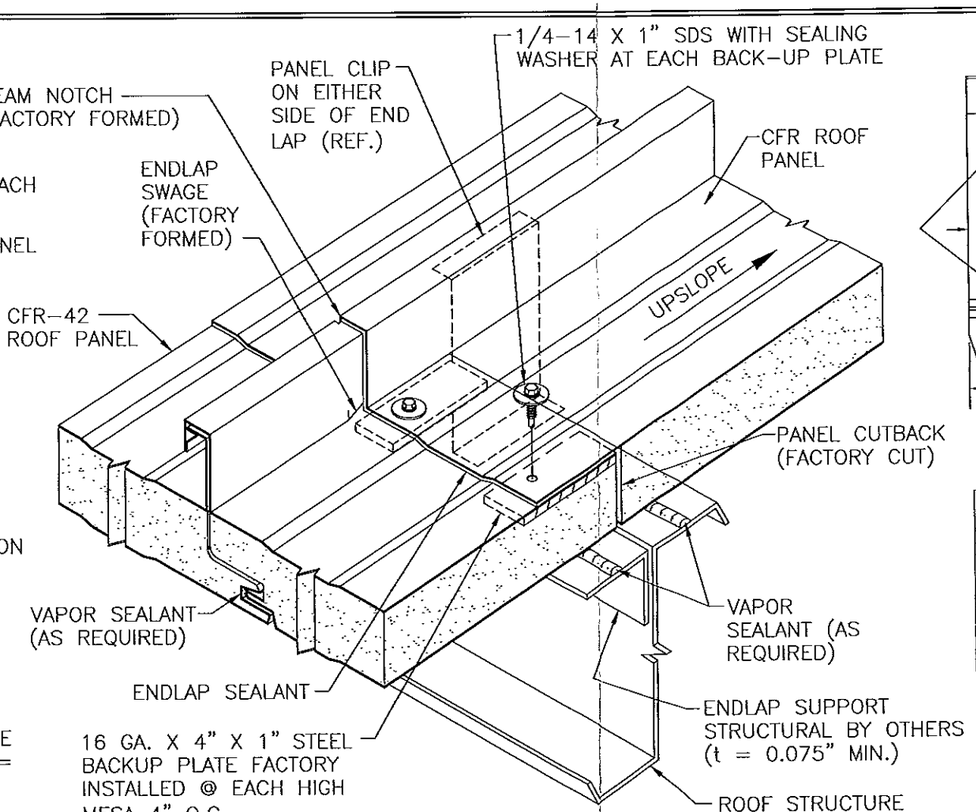
DRAWING TITLE
CFR-30, 36 & 42 ROOF PANEL SYSTEM

CERTIFICATION
BALA SOCKALINGAM
LICENSE No 62240
STATE OF FLORIDA
PROFESSIONAL ENGINEER
BALA SOCKALINGAM, P.E. No. 62240
2.4.2013

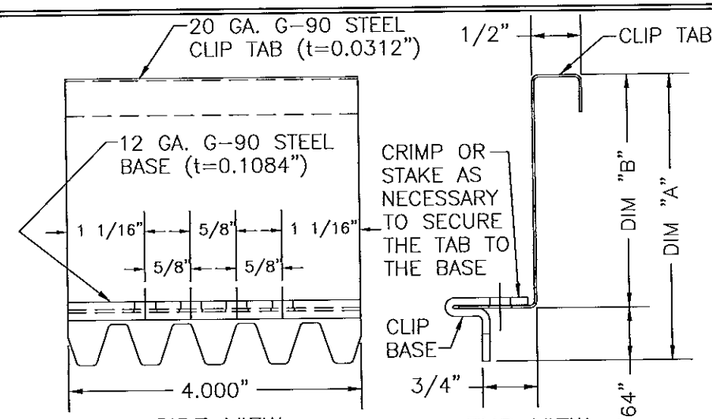
DRAWING NO. C1425 | REV. A
SHEET NO. 2 OF 3



EAVE DETAIL



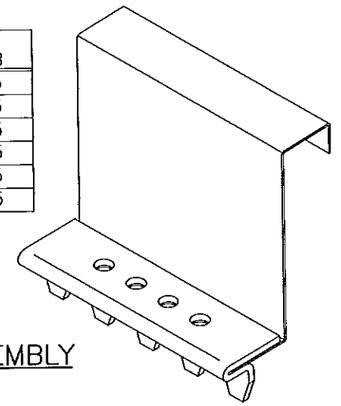
ENDLAP DETAIL



SIDE VIEW

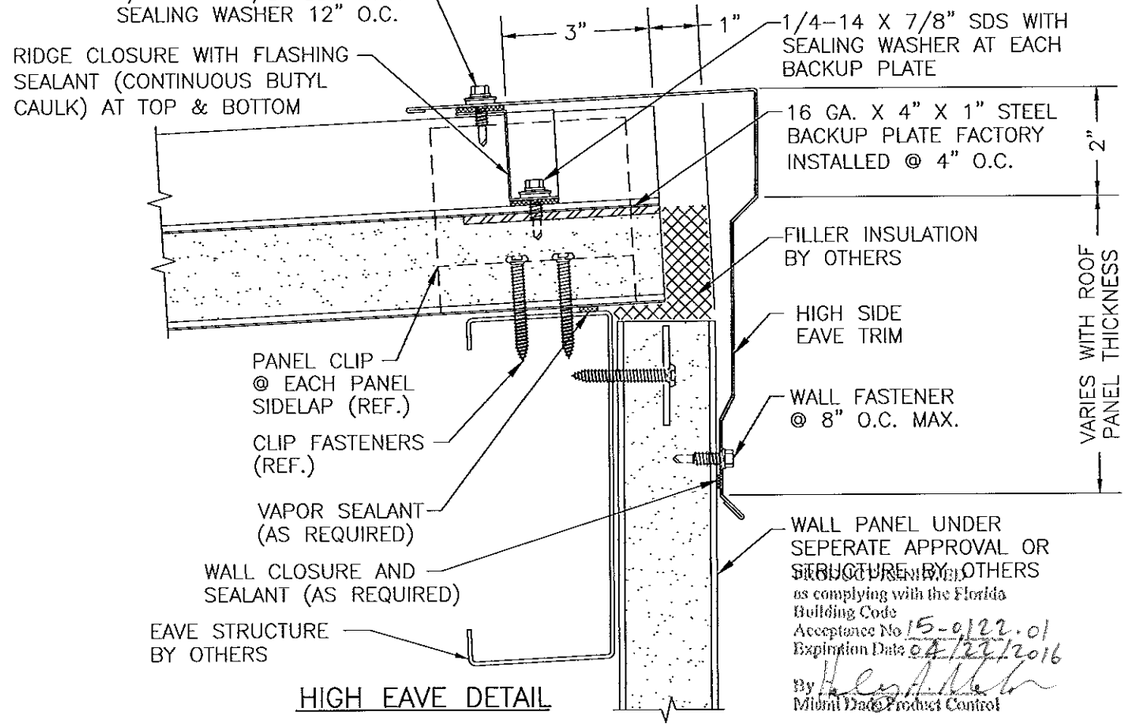
END VIEW

PANEL THICKNESS	DIM A	DIM B
2"	3.845	3.135
2 1/2"	4.345	3.635
3"	4.845	4.135
4"	5.845	5.135
5"	6.845	6.135
6"	7.845	7.135



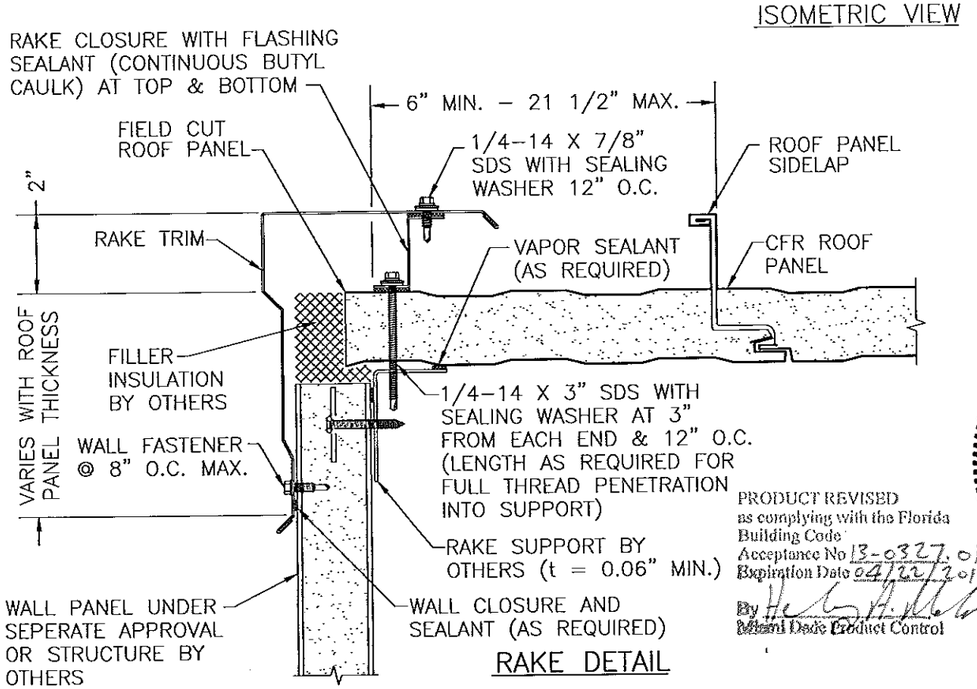
PANEL CLIP ASSEMBLY

ISOMETRIC VIEW



HIGH EAVE DETAIL

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 15-0122.01
Expiration Date 04/22/2016
By
Miami Dade Product Control



RAKE DETAIL

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0327.01
Expiration Date 04/22/2015
By
Miami Dade Product Control

DRAWN BY: B.S | CHECKED BY: R.H.
PLOT: 1=16 | DATE: 8/22/05

NO.	REVISION DESCRIPTION	BY	DATE
A	COMPANY NAME	B.S.	2.1.13

PANEL SYSTEM

MANUFACTURER
METL-SPAN, A DIVISION OF NCI GROUP, INC.
1720 LAKEPOINTE DRIVE, SUITE 101
LEWISVILLE, TX 75057
972-221-6656

DRAWING TITLE
CFR-30, 36 & 42 ROOF PANEL

CONSULTANTS
BALA SOCKALINGAM, PH.D., P.E.
1216 N LANSING AVE, SUITE C
TULSA, OK 74106
PHONE: 918-492-5992 FAX: 866-366-1543

BALA SOCKALINGAM LICENSE No 62240 STATE OF FLORIDA PROFESSIONAL ENGINEER

CERTIFICATION
BALA SOCKALINGAM, P.E.
FLORIDA P.E. NO. 62240

DRAWING NO. C1425 | REV. A

SHEET NO. 3 OF 3